

MARINE SAFETY MANUAL

- 3.C.2 a. (cont'd) purchasers whether such items when manufactured or installed will be acceptable for marine use. The need to have approved or certified equipment aboard a particular type of vessel depends upon the requirements of the laws and regulations applicable to that vessel. General authority over and responsibility for the administration and enforcement of the navigation and vessel inspection laws and regulations applicable to instruments, machines, and equipment used on vessels are vested in the USCG District Commander.
- b. Application of Listings. The equipment list is an aid for persons desiring to install equipment of a type required to be approved or certified by the Commandant, and lists most of those items approved or certified by the Commandant. If an installed piece of equipment is not in the Equipment List Index that does not necessarily mean that such equipment must be replaced with that listed in the Equipment Lists. In connection with certain items, approval has been required by the regulations after certain dates, as set forth in the regulations. The equipment installed and in use on those dates are permitted to be retained in service so long as it remains in good and serviceable condition. When a previously approved piece of equipment is no longer serviceable, it must be replaced with currently approved equipment. The approval or certification of the items listed applies only to those specific items and does not extend to other devices or products that may be produced by the same manufacturer. The products listed under the various headings are not necessarily equivalent for a specific service and such listing indicates only that the minimum requirements of the statutes and regulations in effect at the date of the listing were met. If any of the items listed are found in the marketplace not to comply with the requirements of the statutes or regulations, such information, together with details regarding the deficiencies or defects believed to exist, should be brought to the attention of the cognizant District Commander.
- c. Limitations of Listings. To keep outstanding approvals and certifications current, most are limited to a definite period of time. Most approved and certified instruments, machines, and equipment are limited to 5-year periods. If there have been no changes in Coast Guard requirements and the manufacturer is still producing the item without modification, an extension for an additional 5-year period is granted, provided the manufacturer requests an extension from Commandant (G-MSE). If the equipment is no longer produced and the certificate expires, the equipment continues to be considered certified based on the date of manufacture, the vessel installation date and a valid certification for that time period. Certification cannot be transferred to another manufacturer without Commandant (G-MSE) approval. Any modification to the design or construction requires review by the Coast Guard, and if approved the manufacturer will be issued a modified certificate. To identify equipment in this group further, those items that comply with Coast Guard specifications and regulations are assigned individual approval or certification numbers. For example 160.017/105/1 represents the 105th chain (embarkation) ladder approved for service and the certificate has been modified once.
- d. Approvals Under Subchapter Q. Subchapter Q electrical equipment (see 46 CFR 161) is required to be "approved" by the Commandant and is

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- 3.C.2 d. (cont'd) listed in the Equipment List Index. The following electrical equipment receives approval under Subchapter Q:

ELECTRICAL EQUIPMENT:

- (1). 161.002 - Fire-Protective Equipment.
- (2). 161.006 - Searchlights, Motor Lifeboat, for Merchant Vessels.
- (3). 161.010 - Floating Electric Waterlights. Inspectors should continue to submit equipment failure reports on defective waterlights. However, quite often these lights have had their approvals superseded by new approvals. Waterlights that are approved at the time of installation and then have their approvals superseded may continue in service as long as they are operational.
- (4). 161.011 - Emergency Position Indicating Radiobeacons.
- (5). 161.012 - Personal Flotation Device Lights.
- (6). 161.013 - Electric Distress Light for Boats.
- (7). 165.101 - Magnetic Compass
- (8). 165.102 - Transmitting Magnetic Heading Device (TMHD)
- (9). 165.103 - Gyrocompass
- (10). 165.105 - Speed and Distance Indicating Device
- (11). 165.106 - Rate of Turn Indicator
- (12). 165.107 - Echosounding Equipment
- (13). 165.110 - Heading Control System
- (14). 165.111 - Auto-Tracking Aid
- (15). 165.112 - Track Control
- (16). 165.120 - Automatic Radar Plotting Aid (ARPA)
- (17). 165.121 - Electronic Plotting Aid
- (18). 165.122 - Chart Facilities for Shipborne Radar
- (19). 165.123 - Electronic Chart Display and Information System (ECDIS)
- (20). 165.124 - ECDIS Back-up Equipment
- (21). 165.125 - Raster Chart Display System (RCDS)
- (22). 165.130 - Global Positioning System (GPS)
- (23). 165.131 - Global Navigation Satellite System (GLONASS) Equipment
- (24). 165.132 - Differential Global Position System (DGPS) Equipment
- (25). 165.133 - Differential Global Navigation Satellite System (DGLONASS) Equipment
- (26). 165.134 - Combined Global Position System and Global Navigation Satellite System (GPS/GLONASS) Receiver Equipment
- (27). 165.135 - LORAN-C Equipment
- (28). 165.136 - Chayka Equipment
- (29). 165.140 - Integrated Bridge System
- (30). 165.141 - Integrated Navigational System
- (31). 165.150 - Voyage Date Recorder (VDR)
- (32). 165.155 - Shipborne Automatic Identification System (AIS)
- (33). 165.160 - Radar Reflector
- (34). 165.165 - Sound Reception System
- (35). 165.166 - Daylight Signaling Lamp
- (36). 165.203 - Gyrocompass for High Speed Craft
- (37). 165.210 - Automatic Steering Aid (automatic pilot) for High Speed Craft
- (38). 165.251 - Night Vision Equipment for High Speed Craft

Part 162 of Subchapter Q lists the Engineering Equipment also requiring approval by the Commandant and is listed in the Equipment